

DAUGHTERS AND SONS TO WORK DAY 2009

REGISTRATION INFORMATION PACKET

Daughters and Sons to Work Day (DSTW) will be held Thursday, April 23, 2009.

For the 15th consecutive year, Berkeley Lab will host guests of employees — girls and boys ages 9 to 16 — for a day of science and fun. DSTW generates a lot of enthusiasm among employees each year. As space is limited to 120 children, we advise early registration.

How to Register: Enclosed is the DSTW registration information for you to review with your guest. Please fill out the registration form for 1 to 3 children. Send in the registration form with a check for **\$25** per child, payable to UC Regents, which covers refreshments, lunch, and a t-shirt for each participant. Keep the remaining information for your reference. Space is limited and will be made on a first-come, first-served, basis.

REGISTRATION CHECK-IN

7:45 – 8:45 Building 54, Cafeteria

OPENING ASSEMBLY

9:00 – 9:30 Building 54, Cafeteria

MAIL REGISTRATION TO: MS 7R0222

- No registration forms will be accepted after April 17th
- Questions? Contact Joe Crippen at x5816

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REGISTRATION INFORMATION PACKET

PROGRAM SCHEDULE FOR CHILDREN 9 TO 12 YEARS OF AGE

Listed below is the schedule for the day. All students will be assigned to one of three groups, and they will participate in all the activities listed below.

Parents wishing to join their children for lunch will need to pay an additional \$7.00.

All parents are invited to the Ice Cream Social at the end of the day.

7:45	Registration	Cafeteria Bldg. 54
9:00	Opening Assembly	Cafeteria Bldg. 54
9:45	1st Workshop	Assigned Locations
11:15	2nd Workshop	Assigned Locations
12:45	Lunch	ALS Patio
1:30	3rd Workshop	Assigned Locations
3:00	Ice Cream Social & Sign-Out	Cafeteria Bldg. 54

PROGRAM SCHEDULE FOR CHILDREN 13 TO 16 YEARS OF AGE

Listed below is the schedule for the day. All the students will be assigned to one of two groups, and they will participate in all the activities listed below.

Parents will not be joining their children for lunch; however we encourage you to join them for the Ice Cream Social at the end of the day.

7:45	Registration	Cafeteria Bldg. 54
9:00	Opening Assembly	Cafeteria Bldg. 54
9:45	1st Workshop	Assigned Locations
11:15	2nd Workshop	Assigned Locations
12:45	Lunch with Spencer Klein (Nuclear Science Division)	Building 2-100B
1:40	3rd Workshop	Assigned Locations
3:30	Ice Cream Social & Sign-Out	Cafeteria Bldg. 54

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PROGRAM DESCRIPTIONS FOR CHILDREN 9 TO 12 YEARS OF AGE

(Everyone will participate in each of the following workshops.)

Parents wishing to join their children for lunch will need to pay an additional \$7.00.

We encourage you to join your children for the Ice Cream Social at the end of the day.

LIQUID NITROGEN

Have you ever made ice cream using liquid air? Have you ever frozen a rubber band so that it shatters when you drop it? Have you ever made a cloud? You will do all of this when you experience the properties of Liquid Nitrogen. Learn about Liquid Nitrogen, its properties, and what it means to be hundreds of degrees below zero!

VARIABLES

An airplane seems to defy the law of gravity. It's amazing that something so large and heavy can fly through the air! However, the reason airplanes can fly is based on solid scientific principles. Let's take a look at the whys and hows of airplane flight.

SCIENCE FESTIVAL

Get festive with the scientists at the Daughters and Sons to Work Day *Science Festival!* Investigate the workings of a laser tracker, explore the mechanism of a maglev train, build your own motor, and participate in several other fun and informative activities.

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PROGRAM DESCRIPTIONS FOR CHILDREN 13 TO 16 YEARS OF AGE

(Everyone will participate in each of the following workshops.)

Parents will not be joining their children for lunch; however we encourage you to join them at the Ice Cream Social at the end of the day.

Advanced Light Source (ALS) Tour

One of the world's brightest sources of ultraviolet and soft x-ray beams--and the world's first third-generation synchrotron light source in its energy range--the ALS makes previously impossible studies possible.

Lab Visit with Jonathan Slack

Environmental Energy Technologies Division, Building Technologies Group

Lunch with Spencer Klein

Nuclear Science Division, Group Leader for the Neutrino Astronomy Group

Lab Visit with Natalie Roe

Physics Division, Physicist and Senior Scientist & Engineer

Lab Visit with Bill Fisher

Life Sciences Division, Technician with the Berkeley *Drosophila* Transcription Network Project

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REGISTRATION INFORMATION PACKET

GUEST REGISTRATION FORM (Please Print Legibly)

Name of guest (1):	Male or Female:
Age:	School Grade:
My guest is attending for the: 1st year 2nd year 3rd year 4th year 5th year 6th year 7th year 8th year	
What is your relationship to the participant:	
T-Shirt Size: (adult sizes) <input type="checkbox"/> XL <input type="checkbox"/> Large <input type="checkbox"/> Medium <input type="checkbox"/> Small	
Lunch Choice: (check only one) <i>If you have dietary needs, please contact Joe Crippen at X5816</i>	
Children 9 to 12 years of age: <input type="checkbox"/> Hot Dog <input type="checkbox"/> Hamburger <input type="checkbox"/> Veggie Burger	
Children 13 to 16 years of age: <input type="checkbox"/> Chicken Sandwich <input type="checkbox"/> Ham and Cheese <input type="checkbox"/> Veggie	
Registration fee for 1 guest total: \$25	
Name of guest (2):	Male or Female:
Age:	School Grade:
My guest is attending for the: 1st year 2nd year 3rd year 4th year 5th year 6th year 7th year 8th year	
What is your relationship to the participant:	
T-Shirt Size: (adult sizes) <input type="checkbox"/> XL <input type="checkbox"/> Large <input type="checkbox"/> Medium <input type="checkbox"/> Small	
Lunch Choice: (check only one) <i>If you have dietary needs, please contact Joe Crippen at X5816</i>	
Children 9 to 12 years of age: <input type="checkbox"/> Hot Dog <input type="checkbox"/> Hamburger <input type="checkbox"/> Veggie Burger	
Children 13 to 16 years of age: <input type="checkbox"/> Chicken Sandwich <input type="checkbox"/> Ham and Cheese <input type="checkbox"/> Veggie	
Registration fee for 2 guests total: \$50	
Name of guest (3):	Male or Female:
Age:	School Grade:
My guest is attending for the: 1st year 2nd year 3rd year 4th year 5th year 6th year 7th year 8th year	
What is your relationship to the participant:	
T-Shirt Size: (adult sizes) <input type="checkbox"/> XL <input type="checkbox"/> Large <input type="checkbox"/> Medium <input type="checkbox"/> Small	
Lunch Choice: (check only one) <i>If you have dietary needs, please contact Joe Crippen at X5816</i>	
Children 9 to 12 years of age: <input type="checkbox"/> Hot Dog <input type="checkbox"/> Hamburger <input type="checkbox"/> Veggie Burger	
Children 13 to 16 years of age: <input type="checkbox"/> Chicken Sandwich <input type="checkbox"/> Ham and Cheese <input type="checkbox"/> Veggie	
Registration fee for 3 guests total: \$75	

Will you be attending Lunch (only available if your guest(s) are 9 to 12 years of age)? Add **\$7.00**

Note: If you are attending lunch, as a Lab employee you are expected to help monitor the ALS Patio for any safety violations. Every employee is responsible for safety. (Please Initial) _____

Safety Note: To participate in the activites safely, all participants must wear closed-toed shoes and their legs must be covered. (Please Initial) _____

ALL CHECKS MUST BE MADE PAYABLE TO **UC REGENTS.**

TOTAL AMOUNT PAID: \$_____

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REGISTRATION INFORMATION PACKET

BERKELEY LAB EMPLOYEE/PARENT CONSENT FORM (Please Print Legibly)

Name: _____

Department: _____

Division: _____

Extension: _____

Cell phone/pager: _____

Building/Room: _____

- **Please do not take your child off site** for lunch or out of workshops without making prior arrangements with CSEE staff before April 21, 2009.
 - You must forward your phones to a person who knows where you will be at all times or have your cell phone listed and on.
 - Parents are encouraged to attend the Ice Cream Social beginning at 3:00 p.m. in the Cafeteria (for children 9-12) or 3:30 (for children 13-16).
 - Parents **MUST** come to the Cafeteria to pick up their children by 4 p.m.
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I agree to allow my child _____ (Guest 1), to participate in "Daughters and Sons to Work Day" at Berkeley Lab. This agreement authorizes the Laboratory to administer medical treatment to my child in an emergency. Further, I waive all responsibility of the Laboratory in case of an accident.

Parent/Guardian _____ Phone: _____

I agree to allow my child _____ (Guest 2), to participate in "Daughters and Sons to Work Day" at Berkeley Lab. This agreement authorizes the Laboratory to administer medical treatment to my child in an emergency. Further, I waive all responsibility of the Laboratory in case of an accident.

Parent/Guardian _____ Phone: _____

I agree to allow my child _____ (Guest 3), to participate in "Daughters and Sons to Work Day" at Berkeley Lab. This agreement authorizes the Laboratory to administer medical treatment to my child in an emergency. Further, I waive all responsibility of the Laboratory in case of an accident.

Parent/Guardian _____ Phone: _____

Registration deadline is April 17, 2009 • Enrollment is limited to 120 children
Send to: DSTW, CSEE, MS 7R0222

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REGISTRATION INFORMATION PACKET

CHAPERONE REGISTRATION FORM (Please Print Legibly)

Please check all that you may be able to help with (all volunteers will receive T-shirts and lunch):

Special Consideration: Without enough chaperones, some children may be turned away due to lack of supervision.

Name:		
Department:	Division:	
Extension:	Cell phone/pager:	Mail Stop:
Name of Child Participating:		Age:
T-Shirt Size: (adult sizes)	<input type="checkbox"/> XL <input type="checkbox"/> Large <input type="checkbox"/> Medium <input type="checkbox"/> Small	
Lunch Choice: (Check One Only)	<input type="checkbox"/> Hot Dog <input type="checkbox"/> Hamburger <input type="checkbox"/> Veggie Burger	

- ☐ Registration (7:30 to 9:00)
- ☐ Chaperone (9:00 to 3:30)
- ☐ Lunch Monitor (12:30 to 1:45)
- ☐ Ice Cream Social (2:45 to 4:15)



Send to: DSTW, CSEE, MS 7R0222